

What is claimed is:

1. A cosmetic method of decreasing sebum production in sebocytes or in skin of an individual in need thereof, comprising contacting said sebocyte or skin with sebum production inhibiting amount of a fatty acid synthase (FAS) inhibitor, thereby reducing sebum synthesis in said sebocyte or skin.  
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2. The cosmetic method according to claim 1, wherein said FAS inhibitor is selected from the group consisting of triclosan, cerulenin, EGCG,  $\alpha$ -methylene- $\gamma$ -butyrolactone, mixtures thereof, and analogs thereof.  
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3. The cosmetic method according to claim 1, wherein said method reduces synthesis of squalene, triglycerides, free fatty acids, wax esters, cholesterol, sterol esters, and/or a combination thereof.  
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4. The cosmetic method according to claim 2, wherein said FAS inhibitor is a cosmetically acceptable salt or solvate of said FAS inhibitor.
5. A cosmetic method of identifying sebum production inhibiting actives comprising contacting the active with FAS and detecting a reduction in sebum amount production in sebocytes.  
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6. A cosmetic composition for reducing sebum production, comprising a sebum production inhibiting effective amount of one or more FAS inhibitor(s) and a cosmetically acceptable carrier.  
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7. The cosmetic composition according to claim 6, wherein said FAS inhibitor is selected from the group consisting of triclosan, cerulinin, EGCG,  $\alpha$ -methylene- $\gamma$ -butyrolactone, mixtures thereof, and analogs thereof.
- 5 8. The cosmetic composition according to claim 6, wherein said composition is applied in a method that reduces synthesis of squalene, triglycerides, free fatty acids, wax esters, cholesterol, sterol esters, and/or a combination thereof.
9. The cosmetic composition according to claim 7, wherein said FAS inhibitor is a  
10 cosmetically acceptable salt or solvate of said FAS inhibitor.
10. The cosmetic composition according to claim 6, wherein said FAS inhibitor comprises about 0.0001 % to about 50 % of said composition.
- 15 11. The cosmetic composition according to claim 6, further comprising a skin benefit agent.
12. A method of making a cosmetic composition for reducing sebum production in the sebocyte according to claim 6, comprising combining said sebum production  
20 reducing effective amount of a FAS inhibitor with a cosmetically acceptable carrier.
13. A cosmetic system for reducing sebum production in skin, comprising said  
25 cosmetic composition according to claim 6, a container for said composition, and instructions for applying said composition to said skin.